



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

SWA3-300
Job Sheet 179860



2-SHA300

Part No: SWA3-300

Job Qty: 20 ea 19

Part Name: Wire Clamp



Part Weight: 0 lbs

Status: At Planning

Priority: Medium

Job Created: 6/25/18

Job Tracking No:

Due Date: 7/16/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG SWA3-300 Rev 3 IPP Rev A 18.02.13 New issue DP verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	20 Ea		7/6/18	0.00	0.00	Start Up Container		ER
110	Mori Seiki	20 pcs		7/6/18	0.50	10.00	MORI NV5000-1		ER
120	QC	20 pcs		7/6/18	0.00	0.00	QC2 Machining-1		ER / S.C.T.
130	QC	20 pcs		7/6/18	0.00	0.00	QC8 Machining-1		21/18/07/26
150	Outsource	20 pcs		7/6/18			GRO002-VC	5	21/18-7-27
160	Packaging	20 pcs		7/6/18	0.00	0.00	Packaging2		AUG 08 2018
170	QC	20 pcs		7/6/18	0.00	0.00	QC6		38
180	Packaging	20 pcs		7/6/18	0.00	0.00	Packaging3		21
190	QC21-SA	20 Ea		7/6/18	0.00	0.00	QC21		AUG 09 2018

Part Op 110 - 1-Machine as per folio FC051 FOLIO REV: _____ DWG REV: _____ 3- Jaws for 2nd op are in
Descriptions: #185 2-Debur
150 - Issue P/O to Groupe Atlech: P0040622 ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 3 CLASS
2, Water sealant -Certificate of Conformity is required

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6B0.500X01.250	6061-T6 Bar .500 X 1.25	2.1600 ft (.108 ea)	90-Start up Operation	5092 911

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M6061T6B0.500X01.250	2	2	0



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Part Specifications

be found.

Plex 6/25/18 9:58 AM Dart.lajeunesse.marie

Container No: S095875



Part: SWA3-300

Job No: 179860

Serial No/Batch: S095875

Revision: 3

Inspector:

Exp Date:

Instructions:

Date: 07/25/18

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE**DAR I**
AEROSPACE

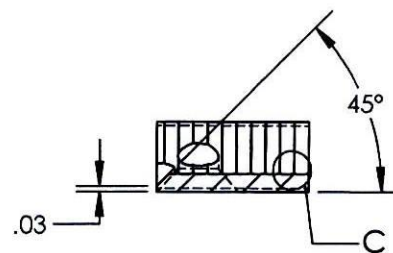
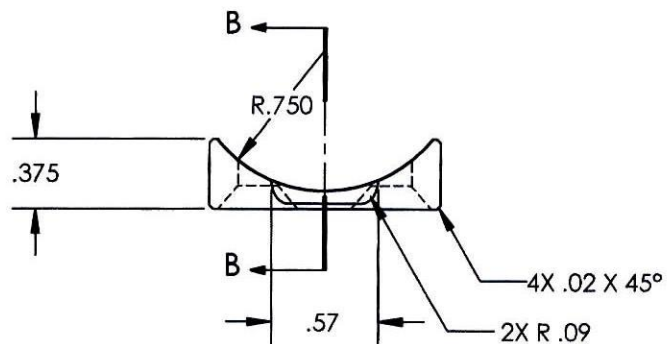
QA Closed: _____ Date: _____

Work Order update only ☐

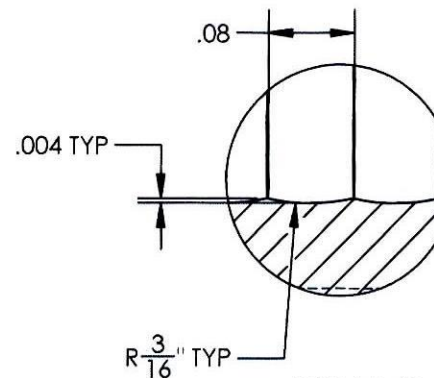
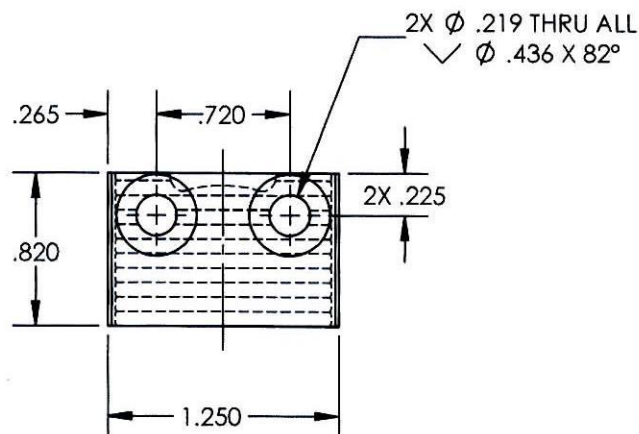
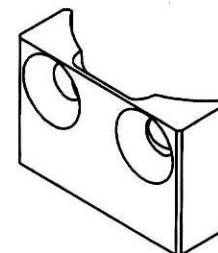
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐			FAULT CATEGORY Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		
OTHER : ☐					

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3		8/30/2012	JAG	



SECTION B-B



DETAIL C
SCALE 6:1

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 179860 MJS
1806-25

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			SWA3-300	1	WIRE CLAMP	6061-T6	1/2 X 1 X 1-3/8	

RED BARN MACHINE	
TITLE WIRE CLAMP SWA3 SWIVEL	
DWG NO. SWA3-300	REV 3
MAT'L 6061-T6	DRAWN BY: CANAM
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	APPROVED <i>D Weil</i>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	HEAT TREAT FINISH BLACK ANODIZE
SCALE 1:1	DATE 6/14/1997
SHEET 1 OF 1	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040622**

Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

PO No: PO040622
PO Date: 7/27/18
Due Date: 7/31/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

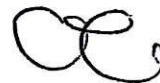
Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	174443	RBW6305G01232-3G-1	Receiver -Issue P/O to Groupe Altech: P/O -Cadmium plating, QQ-P-416F TYPE II, CLASS II -Color: Yellow -Certificate of Conformity is required	Firmed	-	7/31/18	12 pcs	0 pcs	12 pcs	\$14.5833333/pcs	\$175.00
							12x	AUG 03 2018			
2	178201	RBEM262V3000101-21	Plate -Issue P/O to GROUPE ALTECH: -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Certificate of Conformity is required	Firmed	-	7/31/18	6 pcs	0 pcs	6 pcs	\$20.00/pcs	\$120.00
							6x	AUG 08 2018			
3	179860	SWA3-300	Wire Clamp -Issue P/O to Groupe Altech: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 3 CLASS 2, Water sealant -Certificate of Conformity is required	Firmed	-	7/31/18	19 pcs	0 pcs	19 pcs	\$6.31578947/pcs	\$120.00
							19x	AUG 08 2018			

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	178356	RBT400221-109	Turnbuckle -Issue P/O to GROUPE ALTECH; PO -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type Stress Proof; -Certificate of Conformity is required	Firmed	-	7/31/18	12 pcs	0 pcs	12 pcs	\$10.00/pcs	\$120.00
							12 X	AUG 03 2018			
5	181471	C10-6	Trunnion 1-Issue P/O to Groupe Altech; P/O RC 44-46 2-Nickel plate - 0.0009-0.0011, Bake after plating 3- Certificate of Conformity is required	Firmed	-	7/31/18	1 pcs	0 pcs	1 pcs	\$240.00/pcs	\$240.00
							1 X	AUG 01 2018			
6	179961	RBT18601	Main Rotor Swashplate ReGreasing Tool -Issue P/O to GROUPE ALTECH; PO -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Material type; -Certificate of Conformity is required	Firmed	-	7/31/18	2 pcs	0 pcs	2 pcs	\$60.00/pcs	\$120.00
							2 X	AUG 08 2018			
7	180205	RBW6205G19332-3G-1	Draw Bolt -Issue P/O to Groupe Altech; P/O -Zinc plate, ASTM B633 TYPE 2 SC2 -Color yellow -Certificate of Conformity is required	Firmed	-	7/31/18	7 pcs	0 pcs	7 pcs	\$12.8571429/pcs	\$90.00
							7 X	AUG 03 2018			
8	177589	SK145-0115-20	Clamp Bar ISSUE P/O: PASSIVATE AS PER DWG ACCORDANCE WITH ASTM A967 C OF C IS REQUIRED	Firmed	-	7/31/18	20 pcs	0 pcs	20 pcs	\$5.00/pcs	\$100.00
							20 X	AUG 03 2018			
Grand Total:											\$1,085.00

Order Notes



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 7/30/18 2:34 PM dart.tsimiklis.chrisoula



Certificat de Conformité / Certificate of Compliance

(011405-4)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

011405 - 4

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
06-Aug-2018		Aman		040622				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir / Back Order
2	RBEM262V3000101-21 Rev. ✓	RBEM262V3000101-21 01-ANO-CLEAR [ANODIZE CLEAR] MIL-8625F TYPE 2 CLASS 1	ANODIZE CH	6	6 ✓	0	0	0
3	SWA3-300 Rev. ✓	SWA3-300 01-ANO-BLACK [ANODIZE BLACK] MIL-A-8625F TYPE 3 CLASS 2	ANODIZE CH	19	19 ✓	0	0	0 38 9-89
6	RBT18601 Rev. ✓	RBT18601 01-ANO-RED [ANODIZE RED] MIL-A-8625 TYPE 2 CLASS2	ANODIZE CH	2	2 ✓	0	0	0

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.